

Gregory, Bernarr

From: PLUS
Sent: Thursday, February 10, 2005 2:08 PM
To: Gregory, Bernarr
Subject: PLUS Results for 10779665

Here are the PLUS search results for 10779665.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10779665_QUAL.txt



10779665_LIST.txt



10779665_WEST.txt



10779665_EAST.txt



10779665.east



10779665_CLS.txt



10779665_CLSTITLES.t

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10779665_WDS.txt

10779665_QUAL

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PLUS Search Results for S/N 10779665, Searched February 10, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search

system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are

most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10779665_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 10779665 on February 10, 2005

Original Classifications

6	356/5.01
4	396/106
3	187/387
3	324/535
3	356/4.01
2	219/69.12
2	219/69.13
2	250/559.38
2	257/133
2	307/109
2	327/295
2	335/16
2	342/134
2	342/165
2	342/387
2	342/47
2	342/70
2	367/98
2	367/99
2	368/113
2	368/120
2	375/341
2	376/254
2	382/244
2	398/13
2	700/294

Cross-Reference Classifications

7	968/DIG 1
6	356/5.01
4	367/908
4	968/844
3	180/169
3	318/603
3	324/522
3	361/80
3	367/108
3	367/127
3	367/900
3	367/903
3	377/24
2	73/114
2	73/290V

10779665_CLS

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2 180/168
2 219/69.18
2 246/182B
2 250/214R
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2 257/E29.199
2 257/E29.2
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2 307/129
2 310/317
2 318/626
2 324/207.17
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2 327/325
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2 331/96
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10779665_CLS

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10779665_CLS

2 702/159
2 708/5
2 714/701
2 714/792

10779665_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10779665 on February 10, 2005

12	356/5.01	(6 OR, 6 XR)
	Class 356 :	OPTICS: MEASURING AND TESTING
	356/3	RANGE OR REMOTE DISTANCE FINDING
	356/4.01	.With photodetection
	356/5.01	..Of pulse transit time
7	968/DIG 1	(0 OR, 7 XR)
	Class 968 :	HOROLOGY
	968/DIG 1	PAPER COPIES IN NUMERICAL ORDER OF ALL U.S. PATENTS IN SUBCLASSES 2-977
6	396/106	(4 OR, 2 XR)
	Class 396 :	PHOTOGRAPHY
	396/89	WITH EXPOSURE OBJECTIVE FOCUSING MEANS, FOCUSING AID, OR RANGEFINDING MEANS
	396/106	.Having auxiliary illumination
4	180/169	(1 OR, 3 XR)
	Class 180 :	MOTOR VEHICLES
	180/167	WITH MEANS FOR CONTROLLING OPERATION RESPONSIVE TO ELECTROMAGNETIC RADIATION, MAGNETIC FORCE, OR SOUND WAVES RECEIVED FROM SOURCE, OR REFLECTED FROM OBJECT OR SURFACE, LOCATED APART FROM VEHICLE
	180/169	.Radiation, force, or waves reflected from external object or surface
4	342/70	(2 OR, 2 XR)
	Class 342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/61	RETURN SIGNAL CONTROLS EXTERNAL DEVICE
	342/70	.Radar mounted on and controls land vehicle
4	361/80	(1 OR, 3 XR)
	Class 361 :	ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
	361/1	SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
	361/78	.With specific quantity comparison means
	361/79	..Voltage and current
	361/80	...Distance relaying

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4 367/908 (0 OR, 4 XR)
 Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
 SYSTEMS AND DEVICES
 367/908 MATERIAL LEVEL DETECTION, E.G., LIQUID LEVEL

4 377/24 (1 OR, 3 XR)
 Class 377 : ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR
 SHIFT REGISTERS: CIRCUITS AND SYSTEMS
 377/1 APPLICATIONS
 377/19 .Measuring or testing
 377/24 ..Dimension

4 968/844 (0 OR, 4 XR)
 Class 968 : HOROLOGY
 968/844 APPARATUS FOR MEASURING UNKNOWN TIME INTERVALS
 BY ELECTRIC MEANS (timing devices for clock
 s or watches for
 r with a
 gous systems
 measuring phase
 comparing the rate of the oscillating membe
 standard subclass 769; radar systems, analo
 G01S 9/00; measuring frequency G01R 23/00;
 angle G01R 25/00) [G04F 10/00]

3 73/290V (1 OR, 2 XR)
 Class 073 : MEASURING AND TESTING
 73/290R LIQUID LEVEL OR DEPTH GAUGE
 73/290V .Vibratory type

3 73/631 (1 OR, 2 XR)
 Class 073 : MEASURING AND TESTING
 73/570 VIBRATION
 73/584 .By mechanical waves
 73/596 ..Beamed
 73/627 ...By reflected wave
 73/629Having unitary sonic type
 transmitter-receiver transducer
 73/631Having automatic gain control

3 187/387 (3 OR, 0 XR)
 Class 187 : ELEVATOR, INDUSTRIAL LIFT TRUCK, OR
 STATIONARY LIFT FOR VEHICLE
 187/380 WITH CALL REGISTRATION MEANS
 187/382 .Shared by plural load supports
 187/387 ..Assigns calls to load supports on
 predetermined basis

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- 3 219/69.13 (2 OR, 1 XR)
 - Class 219 : ELECTRIC HEATING
 - 219/50 METAL HEATING (E.G., RESISTANCE HEATING)
 - 219/68 .Cutting or disintegrating (e.g., machining engraving)
 - 219/69.11 ..Electric spark machining
 - 219/69.13 ...Circuits

- 3 250/214R (1 OR, 2 XR)
 - Class 250 : RADIANT ENERGY
 - 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 - 250/206 .Photocell controlled circuit
 - 250/214R ..Special photocell or electron tube circuits

- 3 250/559.38 (2 OR, 1 XR)
 - Class 250 : RADIANT ENERGY
 - 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 - 250/559.01 .With circuit for evaluating a web, strand, strip, or sheet
 - 250/559.29 ..Measuring position
 - 250/559.38 ...Determining range from detector

- 3 318/603 (0 OR, 3 XR)
 - Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 - 318/560 POSITIONAL SERVO SYSTEMS (E.G., SERVOMECHANISMS)
 - 318/600 .Digital or numerical systems
 - 318/603 ..Pulse-counting systems

- 3 324/522 (0 OR, 3 XR)
 - Class 324 : ELECTRICITY: MEASURING AND TESTING
 - 324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF ELECTRIC COMPONENTS
 - 324/512 .For fault location
 - 324/522 ..By voltage or current measuring

- 3 324/535 (3 OR, 0 XR)
 - Class 324 : ELECTRICITY: MEASURING AND TESTING
 - 324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF ELECTRIC COMPONENTS
 - 324/512 .For fault location
 - 324/535 ..By time measuring

- 3 356/4.01 (3 OR, 0 XR)
 - Class 356 : OPTICS: MEASURING AND TESTING
 - 356/3 RANGE OR REMOTE DISTANCE FINDING
 - 356/4.01 .With photodetection

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- 3 356/5.08 (1 OR, 2 XR)
 - Class 356 : OPTICS: MEASURING AND TESTING
 - 356/3 RANGE OR REMOTE DISTANCE FINDING
 - 356/4.01 .With photodetection
 - 356/5.01 ..Of pulse transit time
 - 356/5.05 ...Having pulse transmission trigger
significance
 - 356/5.08Including specific counter type timing of
returns

- 3 367/108 (0 OR, 3 XR)
 - Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
 - 367/87 ECHO SYSTEMS
 - 367/99 .Distance or direction finding
 - 367/107 ..With indicator
 - 367/108 ...Digital readout

- 3 367/127 (0 OR, 3 XR)
 - Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
 - 367/118 DISTANCE OR DIRECTION FINDING
 - 367/127 .With time interval measuring means

- 3 367/900 (0 OR, 3 XR)
 - Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
 - 367/900 SONAR TIME VARIED GAIN CONTROL SYSTEMS

- 3 367/903 (0 OR, 3 XR)
 - Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
 - 367/903 TRANSMIT-RECEIVE CIRCUITRY

- 3 367/97 (1 OR, 2 XR)
 - Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
 - 367/87 ECHO SYSTEMS
 - 367/95 .Returned signal used for control
 - 367/97 ..Receiver system

- 3 367/99 (2 OR, 1 XR)
 - Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
 - 367/87 ECHO SYSTEMS
 - 367/99 .Distance or direction finding

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- 3 368/113 (2 OR, 1 XR)
 Class 368 : HOROLOGY: TIME MEASURING SYSTEMS OR DEVICES
 368/89 TIME INTERVAL
 368/107 .Electrical or electromechanical
 368/113 ..Stop time type
- 3 377/20 (1 OR, 2 XR)
 Class 377 : ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR
 SHIFT REGISTERS: CIRCUITS AND SYSTEMS
 377/1 APPLICATIONS
 377/19 .Measuring or testing
 377/20 ..Time combined with measurement of another
 parameter
- 2 19/239 (1 OR, 1 XR)
 Class 019 : TEXTILES: FIBER PREPARATION
 19/65R WORKING
 19/236 .Drafting
 19/239 ..With material sensing
- 2 73/114 (0 OR, 2 XR)
 Class 073 : MEASURING AND TESTING
 73/112 POWER PLANT OR UNIT EFFICIENCY
 73/113 .Automobile fuel consumption
 73/114 ..Miles per gallon
- 2 73/610 (1 OR, 1 XR)
 Class 073 : MEASURING AND TESTING
 73/570 VIBRATION
 73/584 .By mechanical waves
 73/596 ..Beamed
 73/609 ...Measuring or testing system having
 threshold, gating, delay, or blocking mean
 s 73/610Electronic gating
- 2 73/611 (1 OR, 1 XR)
 Class 073 : MEASURING AND TESTING
 73/570 VIBRATION
 73/584 .By mechanical waves
 73/596 ..Beamed
 73/609 ...Measuring or testing system having
 threshold, gating, delay, or blocking mea
 ns 73/610Electronic gating
 73/611Adjustably responsive to information
 signal

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2 73/627 (0 OR, 2 XR)
 Class 073 : MEASURING AND TESTING
 73/570 VIBRATION
 73/584 .By mechanical waves
 73/596 ..Beamed
 73/627 ...By reflected wave

2 73/900 (0 OR, 2 XR)
 Class 073 : MEASURING AND TESTING
 73/900 AUTOMATIC GAIN CONTROL

2 178/18.07 (1 OR, 1 XR)
 Class 178 : TELEGRAPHY
 178/2R SYSTEMS
 178/18.01 .Position coordinate determination for writing
 (e.g., writing digitizer pad, stylus, or
 circuitry)
 178/18.03 ..Writing digitizer pad
 178/18.07 ...Inductive

2 180/168 (0 OR, 2 XR)
 Class 180 : MOTOR VEHICLES
 180/167 WITH MEANS FOR CONTROLLING OPERATION RESPONSIV
 E
 TO ELECTROMAGNETIC RADIATION, MAGNETIC FOR
 CE, OR SOUND
 WAVES RECEIVED FROM SOURCE, OR REFLECTED F
 ROM OBJECT OR
 SURFACE, LOCATED APART FROM VEHICLE
 180/168 .Having controlling means adapted to interact
 with stationary means which describes cours
 e of vehicle's
 travel

2 218/57 (1 OR, 1 XR)
 Class 218 : HIGH-VOLTAGE SWITCHES WITH ARC PREVENTING OR
 EXTINGUISHING DEVICES
 218/1 ARC PREVENTING OR EXTINGUISHING DEVICES
 218/43 .Air-current blowout
 218/57 ..Puffer piston

2 219/69.12 (2 OR, 0 XR)
 Class 219 : ELECTRIC HEATING
 219/50 METAL HEATING (E.G., RESISTANCE HEATING)
 219/68 .Cutting or disintegrating (e.g., machining
 engraving)
 219/69.11 ..Electric spark machining

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- 219/69.12 ...Wire cutting
- 2 219/69.18 (0 OR, 2 XR)
 Class 219 : ELECTRIC HEATING
 219/50 METAL HEATING (E.G., RESISTANCE HEATING)
 219/68 .Cutting or disintegrating (e.g., machining
 engraving)
 219/69.11 ..Electric spark machining
 219/69.18 ...Pulse
- 2 246/128 (1 OR, 1 XR)
 Class 246 : RAILWAY SWITCHES AND SIGNALS
 246/125 ELECTRIC AUTOMATIC HIGHWAY SIGNALS, MINE DOORS
 AND GATES
 246/128 .Normally open track circuit
- 2 246/182B (0 OR, 2 XR)
 Class 246 : RAILWAY SWITCHES AND SIGNALS
 246/167R CAB SIGNAL OR TRAIN CONTROL
 246/182R .Speed-control systems
 246/182B ..Automatic vehicle-carried braking
- 2 250/201.7 (1 OR, 1 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 250/201.1 .Photocell controls its own optical systems
 250/201.2 ..Automatic focus control
 250/201.7 ...Based on contrast
- 2 250/204 (1 OR, 1 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 250/201.1 .Photocell controls its own optical systems
 250/204 ..Adjusting optical system to balance
 brightness in plural paths
- 2 257/133 (2 OR, 0 XR)
 Class 257 : ACTIVE SOLID-STATE DEVICES
 257/111 ..Triggered by V BO overvoltage means
 257/133 .Combined with field effect transistor
- 2 257/154 (0 OR, 2 XR)
 Class 257 : ACTIVE SOLID-STATE DEVICES
 257/111 ..Triggered by V BO overvoltage means
 257/154 .With resistive region connecting separate
 sections of device

2 257/E23.149 (0 OR, 2 XR)

257/E23.139 ...Liquid at normal operating temperature of
device (EPO)

onent to another,

es (EPO)

ductive and

emiconductor body

257/E23.146 ...With adaptable interconnections (EPO)

conductive (EPO)

Class 257 : ACTIVE SOLID-STATE DEVICES

257/E29.166 .Types of semiconductor device (EPO)

lar transistor, gate

257/E29.171 ...Bipolar device (EPO)

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signal)
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)

257/E29.198 Transistor with vertical current flow
 (EPO)

2 257/E29.2 (0 OR, 2 XR)

257/E29.162Insulating materials for IGFET (EPO)

257/E29.166 .Types of semiconductor device (EPO)

257/E29.169 ..Controllable by only signal applied to

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lar transistor, gate control electrode (e.g., base of bipolar of field-effect transistor) (EPO)
 257/E29.171 ...Bipolar device (EPO)
 257/E29.173Transistor-type device (i.e., able to continuously respond to applied control signal)
 257/E29.194Controlled by field effect (e.g., bipolar static induction transistor (BSIT)) (EPO)
)
 257/E29.197Insulated gate bipolar mode transistor (e.g., IGBT; IGT; COMFET) (EPO)
 257/E29.198Transistor with vertical current flow (EPO)
 257/E29.2With nonplanar surface (e.g., with nonplanar gate or with trench or recess or pillar in surface of emitter, base, or collector region for improving current density or short-circuiting emitter and base regions) (EPO)

2 257/E29.201 (0 OR, 2 XR)

Class 257 : ACTIVE SOLID-STATE DEVICES

257/E29.162Insulating materials for IGFET (EPO)
 257/E29.166 ..Types of semiconductor device (EPO)
 257/E29.169 ..Controllable by only signal applied to control electrode (e.g., base of bipolar transistor, gate of field-effect transistor) (EPO)
 257/E29.171 ...Bipolar device (EPO)
 257/E29.173Transistor-type device (i.e., able to continuously respond to applied control signal)
 257/E29.194Controlled by field effect (e.g., bipolar static induction transistor (BSIT)) (EP
 o)
 257/E29.197Insulated gate bipolar mode transistor (e.g., IGBT; IGT; COMFET) (EPO)
 257/E29.198Transistor with vertical current flow (EPO)
 257/E29.2With nonplanar surface (e.g., with nonplanar gate or with trench or recess or pillar in surface of emitter, base, or collector region for improving current density or short-circuiting emitter

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r and base

regions) (EPO)
 257/E29.201And gate structure lying on slanted o
 r
 vertical surface or formed in groove (e.g.,
 trench gate
 IGBT) (EPO)

2 303/20 (1 OR, 1 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/20 ELECTRIC CONTROL

2 307/109 (2 OR, 0 XR)
 Class 307 : ELECTRICAL TRANSMISSION OR INTERCONNECTION
 SYSTEMS
 307/109 CAPACITOR

2 307/125 (0 OR, 2 XR)
 Class 307 : ELECTRICAL TRANSMISSION OR INTERCONNECTION
 SYSTEMS
 307/112 SWITCHING SYSTEMS
 307/116 .Condition responsive
 307/125 ..Electrical

2 307/126 (1 OR, 1 XR)
 Class 307 : ELECTRICAL TRANSMISSION OR INTERCONNECTION
 SYSTEMS
 307/112 SWITCHING SYSTEMS
 307/116 .Condition responsive
 307/125 ..Electrical
 307/126 ...Power or energy

2 307/129 (0 OR, 2 XR)
 Class 307 : ELECTRICAL TRANSMISSION OR INTERCONNECTION
 SYSTEMS
 307/112 SWITCHING SYSTEMS
 307/116 .Condition responsive
 307/125 ..Electrical
 307/129 ...Frequency

2 310/317 (0 OR, 2 XR)
 Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 310/300 NON-DYNAMOELECTRIC
 310/311 .Piezoelectric elements and devices
 310/314 ..Electrical systems
 310/317 ...Input circuit for mechanical output from
 piezoelectric element

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- 2 318/266 (1 OR, 1 XR)
 Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 318/255 PLURAL DIVERSE MOTOR CONTROLS
 318/256 .Motor-reversing
 318/264 ..With automatic starting and/or stopping
 318/265 ...Stopping upon predetermined movement of or
 position of motor or driven device
 318/266At limit-of-travel of motor or driven
 device
- 2 318/626 (0 OR, 2 XR)
 Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 318/560 POSITIONAL SERVO SYSTEMS (E.G.,
 SERVOMECHANISMS)
 318/626 .Limit or end-stop control
- 2 324/161 (1 OR, 1 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/160 ELECTRICAL SPEED MEASURING
 324/161 .Speed comparing means
- 2 324/178 (1 OR, 1 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/160 ELECTRICAL SPEED MEASURING
 324/178 .Including "event" sensing means
- 2 324/207.17 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/200 MAGNETIC
 324/207.11 .Displacement
 324/207.13 ..Having particular sensor means
 324/207.15 ...Inductive
 324/207.16Electrically energized
 324/207.17Separate pick-up
- 2 324/662 (1 OR, 1 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/600 IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES
 REPRESENTATIVE OF ELECTRICAL STIMULUS/R

ESPONSE

RELATIONSHIPS

- 324/649 .Lumped type parameters
 324/658 ..Using capacitive type measurement
 324/661 ...With variable distance between capacitor
 electrodes
 324/662To determine dimension (e.g., thickness or
 distance)

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- 2 327/108 (1 OR, 1 XR)
 - Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS
 - 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 - 327/108 .Current driver
- 2 327/295 (2 OR, 0 XR)
 - Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS
 - 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 - 327/291 .Clock or pulse waveform generating
 - 327/295 ..Plural outputs
- 2 327/314 (0 OR, 2 XR)
 - Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS
 - 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 - 327/306 .Amplitude control
 - 327/309 ..By limiting, clipping, or clamping
 - 327/310 ...Transient or signal noise reduction
 - 327/314Using diode type nonlinear devices only
- 2 327/325 (0 OR, 2 XR)
 - Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS
 - 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 - 327/306 .Amplitude control
 - 327/309 ..By limiting, clipping, or clamping
 - 327/325 ...Using only diode active elements
- 2 331/68 (0 OR, 2 XR)
 - Class 331 : OSCILLATORS
 - 331/68 WITH OUTER CASING OR HOUSING
- 2 331/96 (0 OR, 2 XR)
 - Class 331 : OSCILLATORS
 - 331/96 WITH DISTRIBUTED PARAMETER RESONATOR
- 2 335/16 (2 OR, 0 XR)
 - Class 335 : ELECTRICITY: MAGNETICALLY OPERATED SWITCHES, MAGNETS, AND ELECTROMAGNETS
 - 335/2 ELECTROMAGNETICALLY ACTUATED SWITCHES
 - 335/6 .Automatic circuit-interrupting devices (e.g., circuit-protective devices)
 - 335/15 ..With contact biasing, holding or pressure control means
 - 335/16 ...Magnetic or electrodynamic (e.g., blown or blowoff)

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- 2 340/323R (0 OR, 2 XR)
 - Class 340 : COMMUNICATIONS: ELECTRICAL
 - 340/286.01 SYSTEMS
 - 340/323R .Game reporting

- 2 340/825.5 (1 OR, 1 XR)
 - Class 340 : COMMUNICATIONS: ELECTRICAL
 - 340/825 SELECTIVE
 - 340/825.5 .Lockout or priority (programmed or variable)

- 2 340/825.69 (0 OR, 2 XR)
 - Class 340 : COMMUNICATIONS: ELECTRICAL
 - 340/825 SELECTIVE
 - 340/825.57 .Pulse responsive actuation
 - 340/825.62 ..Serial
 - 340/825.69 ...Radio link

- 2 341/51 (0 OR, 2 XR)
 - Class 341 : CODED DATA GENERATION OR CONVERSION
 - 341/50 DIGITAL CODE TO DIGITAL CODE CONVERTERS
 - 341/51 .Adaptive coding

- 2 342/124 (1 OR, 1 XR)
 - Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
 - 342/118 DETERMINING DISTANCE
 - 342/124 .Material level within container

- 2 342/134 (2 OR, 0 XR)
 - Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
 - 342/118 DETERMINING DISTANCE
 - 342/134 .With pulse modulation

- 2 342/165 (2 OR, 0 XR)
 - Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
 - 342/165 TESTING OR CALIBRATING OF RADAR SYSTEM

- 2 342/205 (0 OR, 2 XR)
 - Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
 - 342/175 WITH PARTICULAR CIRCUIT
 - 342/205 .Sensitivity time control (STC)

- 2 342/386 (0 OR, 2 XR)

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Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/385 .Beacon or receiver

342/386 ..With transmisson of bearing or position
determinative signals

2 342/387 (2 OR, 0 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/385 .Beacon or receiver

342/386 ..With transmisson of bearing or position
determinative signals

342/387 ...Iso-chronic type

2 342/465 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/450 .Position indicating (e.g., triangulation)

342/463 ..Having plural transmitters or receivers

342/465 ...Plural receivers only

2 342/47 (2 OR, 0 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/42 RADAR TRANSPONDER SYSTEM

342/46 .Navigational

342/47 ..Distance measuring equipment (DME)

2 342/85 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM

342/82 .Transmitter

342/83 ..Signal phase or frequency other than pulse
repetition frequency (PRF)

342/85 ...Function of distance

2 345/179 (0 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
INTERFACE PROCESSING, AND SELECTIVE VISUAL
DISPLAY

SYSTEMS

345/156 DISPLAY PERIPHERAL INTERFACE INPUT DEVICE

345/179 .Stylus

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- 2 356/3.04 (0 OR, 2 XR)
 - Class 356 : OPTICS: MEASURING AND TESTING
 - 356/3 RANGE OR REMOTE DISTANCE FINDING
 - 356/3.01 .Triangulation ranging to a point with one projected beam
 - 356/3.03 ..Using a source beam with a fixed axial direction or plane
 - 356/3.04 ...With a single staring photodetector having one element

- 2 356/3.07 (0 OR, 2 XR)
 - Class 356 : OPTICS: MEASURING AND TESTING
 - 356/3 RANGE OR REMOTE DISTANCE FINDING
 - 356/3.01 .Triangulation ranging to a point with one projected beam
 - 356/3.03 ..Using a source beam with a fixed axial direction or plane
 - 356/3.06 ...With a single photodetector having multiple elements
 - 356/3.07Having electronic scanning of the photodetector

- 2 356/4.04 (0 OR, 2 XR)
 - Class 356 : OPTICS: MEASURING AND TESTING
 - 356/3 RANGE OR REMOTE DISTANCE FINDING
 - 356/4.01 .With photodetection
 - 356/4.04 ..Of degree of defocus

- 2 356/5.06 (0 OR, 2 XR)
 - Class 356 : OPTICS: MEASURING AND TESTING
 - 356/3 RANGE OR REMOTE DISTANCE FINDING
 - 356/4.01 .With photodetection
 - 356/5.01 ..Of pulse transit time
 - 356/5.05 ...Having pulse transmission trigger significance
 - 356/5.06Including optical pick-off of transmission start

- 2 356/5.1 (0 OR, 2 XR)
 - Class 356 : OPTICS: MEASURING AND TESTING
 - 356/3 RANGE OR REMOTE DISTANCE FINDING
 - 356/4.01 .With photodetection
 - 356/5.1 ..Of CW phase delay

- 2 356/73.1 (0 OR, 2 XR)
 - Class 356 : OPTICS: MEASURING AND TESTING
 - 356/73.1 FOR OPTICAL FIBER OR WAVEGUIDE INSPECTION

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2 358/426.02 (0 OR, 2 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING

 358/400 FACSIMILE
 358/426.01 .Reduced time or bandwidth for static image
 communication
 358/426.02 ..Condition based selection or control of imag
 e
 coding technique or communication arrangeme
 nt

2 360/53 (1 OR, 1 XR)
 Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
 RETRIEVAL
 360/39 GENERAL PROCESSING OF A DIGITAL SIGNAL
 360/53 .Data verification

2 360/65 (0 OR, 2 XR)
 Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
 RETRIEVAL
 360/55 GENERAL RECORDING OR REPRODUCING
 360/65 .Specifics of equalizing

2 361/65 (0 OR, 2 XR)
 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

 361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
 361/62 .Feeder protection in distribution networks
 361/65 ..With current and voltage responsive fault
 sensors

2 361/680 (1 OR, 1 XR)
 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

 361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE
 ELECTRICAL COMPONENTS
 361/679 .For electronic systems and devices
 361/680 ..Including keyboard support

2 361/686 (1 OR, 1 XR)
 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

 361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE
 ELECTRICAL COMPONENTS
 361/679 .For electronic systems and devices
 361/683 ..Computer related support
 361/686 ...Input/output device support

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- 2 361/82 (1 OR, 1 XR)
 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
- 361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
 361/78 .With specific quantity comparison means
 361/79 ..Voltage and current
 361/82 ...Reverse energy responsive (e.g.,
 directional)
- 2 367/122 (0 OR, 2 XR)
 Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
 SYSTEMS AND DEVICES
- 367/118 DISTANCE OR DIRECTION FINDING
 367/119 .With beam steering, scanning, or focussing
 367/121 ..By electrical means
 367/122 ...Transducer switching or gating
- 2 367/98 (2 OR, 0 XR)
 Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
 SYSTEMS AND DEVICES
- 367/87 ECHO SYSTEMS
 367/95 .Returned signal used for control
 367/97 ..Receiver system
 367/98 ...Automatic gain or threshold control
- 2 368/120 (2 OR, 0 XR)
 Class 368 : HOROLOGY: TIME MEASURING SYSTEMS OR DEVICES
- 368/89 TIME INTERVAL
 368/107 .Electrical or electromechanical
 368/113 ..Stop time type
 368/120 ...Including delay means
- 2 370/350 (0 OR, 2 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
- 370/310 COMMUNICATION OVER FREE SPACE
 370/345 .Combining or distributing information via tim
 e
 channels
 370/350 ..Synchronization
- 2 370/352 (1 OR, 1 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
- 370/351 PATHFINDING OR ROUTING
 370/352 .Combined circuit switching and packet
 switching
- 2 370/516 (0 OR, 2 XR)

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 Class 370 : MULTIPLEX COMMUNICATIONS
 370/473 ..Transmission of a single message having
 multiple packets
 370/498 .Combining or distributing information via tim
 channels
 370/503 ..Synchronizing
 370/516 ...Adjusting for phase or jitter

2 375/263 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT
 375/260 .Plural channels for transmission of a single
 pulse train
 375/261 ..Quadrature amplitude modulation
 375/263 ...Partial response

2 375/290 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/286 MULTILEVEL
 375/290 .Partial response

2 375/341 (2 OR, 0 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS
 375/340 .Particular pulse demodulator or detector
 375/341 ..Maximum likelihood decoder or viterbi decode

2 376/254 (2 OR, 0 XR)
 Class 376 : INDUCED NUCLEAR REACTIONS: PROCESSES,
 SYSTEMS, AND ELEMENTS
 376/245 TESTING, SENSING, MEASURING, OR DETECTING A
 FISSION REACTOR CONDITION
 376/254 .Flux monitoring

2 376/259 (0 OR, 2 XR)
 Class 376 : INDUCED NUCLEAR REACTIONS: PROCESSES,
 SYSTEMS, AND ELEMENTS
 376/245 TESTING, SENSING, MEASURING, OR DETECTING A
 FISSION REACTOR CONDITION
 376/259 .By particular instrumentation circuitry

2 377/24.1 (0 OR, 2 XR)
 Class 377 : ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR
 SHIFT REGISTERS: CIRCUITS AND SYSTEMS

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377/1 APPLICATIONS
 377/19 .Measuring or testing
 377/24 ..Dimension
 377/24.1 ...Distance and Powered Vehicle (e.g.,
 odometer)

2 379/207.14 (0 OR, 2 XR)
 Class 379 : TELEPHONIC COMMUNICATIONS
 379/201.01 SPECIAL SERVICES
 379/207.02 .Service trigger (activation or deactivation)
 379/207.14 ..Dialed number identification service (DNIS)

2 379/244 (0 OR, 2 XR)
 Class 379 : TELEPHONIC COMMUNICATIONS
 379/242 CENTRALIZED SWITCHING SYSTEM
 379/243 .Class of service determination or transmissio

n

379/244 ..In common control system

2 379/93.14 (0 OR, 2 XR)
 Class 379 : TELEPHONIC COMMUNICATIONS
 379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE
 ELECTRICAL SYSTEM OR SIGNALLING (E.G., CO
 MPOSITE)
 379/93.01 .Having transmission of a digital message
 signal over a telephone line
 379/93.14 ..Having switching station

2 380/36 (0 OR, 2 XR)
 Class 380 : CRYPTOGRAPHY
 380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY
 380/36 .Time segment interchange

2 381/74 (0 OR, 2 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/74 HEADPHONE CIRCUITS

2 382/244 (2 OR, 0 XR)
 Class 382 : IMAGE ANALYSIS
 382/232 IMAGE COMPRESSION OR CODING
 382/244 .Lossless compression

2 385/31 (1 OR, 1 XR)
 Class 385 : OPTICAL WAVEGUIDES

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385/15	WITH OPTICAL COUPLER
385/31	.Input/output coupler
2 396/120	(0 OR, 2 XR)
Class 396	: PHOTOGRAPHY
396/89	WITH EXPOSURE OBJECTIVE FOCUSING MEANS, FOCUSING AID, OR RANGEFINDING MEANS
396/111	.Optical detail with photoelement system
396/120	..With Position Sensitive Device (PSD)
2 396/125	(1 OR, 1 XR)
Class 396	: PHOTOGRAPHY
396/89	WITH EXPOSURE OBJECTIVE FOCUSING MEANS, FOCUSING AID, OR RANGEFINDING MEANS
396/125	.Processing circuit
2 396/147	(0 OR, 2 XR)
Class 396	: PHOTOGRAPHY
396/89	WITH EXPOSURE OBJECTIVE FOCUSING MEANS, FOCUSING AID, OR RANGEFINDING MEANS
396/147	.Having indicator
2 396/155	(0 OR, 2 XR)
Class 396	: PHOTOGRAPHY
396/155	WITH OBJECT ILLUMINATION FOR EXPOSURE
2 398/13	(2 OR, 0 XR)
Class 398	: OPTICAL COMMUNICATIONS
398/9	DIAGNOSTIC TESTING
398/10	.Fault location
398/13	..Fiber or waveguide
2 398/154	(0 OR, 2 XR)
Class 398	: OPTICAL COMMUNICATIONS
398/140	TRANSMITTER AND RECEIVER SYSTEM
398/154	.Including synchronization
2 438/619	(0 OR, 2 XR)
Class 438	: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
438/584	COATING WITH ELECTRICALLY OR THERMALLY CONDUCTIVE MATERIAL
438/597	.To form ohmic contact to semiconductive material
438/618	..Contacting multiple semiconductive regions (i.e., interconnects)
438/619	...Air bridge structure

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- 2 600/447 (1 OR, 1 XR)
 Class 600 : SURGERY
 600/300 DIAGNOSTIC TESTING
 600/407 .Detecting nuclear, electromagnetic, or
 ultrasonic radiation
 600/437 ..Ultrasonic
 600/443 ...Anatomic image produced by reflective
 scanning
 600/447Electronic array scanning
- 2 600/459 (1 OR, 1 XR)
 Class 600 : SURGERY
 600/300 DIAGNOSTIC TESTING
 600/407 .Detecting nuclear, electromagnetic, or
 ultrasonic radiation
 600/437 ..Ultrasonic
 600/459 ...Structure of transducer or probe assembly
- 2 700/294 (2 OR, 0 XR)
 Class 700 : DATA PROCESSING: GENERIC CONTROL SYSTEMS OR
 SPECIFIC APPLICATIONS
 700/90 SPECIFIC APPLICATION, APPARATUS OR PROCESS
 700/286 .Electrical power generation or distribution
 system
 700/292 ..System protection (e.g., circuit interrupter
 circuit limiter, voltage suppressor)
 700/294 ...Abnormal phase, waveform, or polarity
 condition
- 2 701/23 (1 OR, 1 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/23 .Automatic route guidance vehicle
- 2 701/70 (1 OR, 1 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
 701/70 .Indication or control of braking,
 acceleration, or deceleration
- 2 702/149 (0 OR, 2 XR)
 Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR
 TESTING

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702/127	MEASUREMENT SYSTEM
702/142	.Speed
702/149	..By distance and time measurement

2	702/159	(1 OR, 1 XR)
	Class	702 : DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING
	702/127	MEASUREMENT SYSTEM
	702/155	.Dimensional determination
	702/158	..Linear distance or length
	702/159	...By reflected signal (e.g., ultrasonic, light, laser)

2	708/5	(0 OR, 2 XR)
	Class	708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING AND CALCULATING
	708/1	ELECTRICAL HYBRID CALCULATING COMPUTER
	708/3	.Particular function performed
	708/5	..Correlation, convolution, or transformation

2	714/701	(1 OR, 1 XR)
	Class	714 : ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY
	714/699	PULSE OR DATA ERROR HANDLING
	714/701	.Data formatting to improve error detection correction capability

2	714/792	(0 OR, 2 XR)
	Class	714 : ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY
	714/699	PULSE OR DATA ERROR HANDLING
	714/746	.Digital data error correction
	714/786	..Forward error correction by tree code (e.g., convolutional)
	714/792	...Trellis code

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ls 3
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lz 1
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magnitude 1
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may 6
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restraining 1
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rlc 1
rom 7
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vmin 6
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